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INTERNATIONAL PRELIMINARY EXAMINATION REPORT (PCT Article 36 and Rule 70)

Applicant's or agent's file reference P15068PC00	FOR FURTHER ACTION See Notification of Transmittal of International Preliminary Examination Report (Form PCT/PEA416)	
International application No. PCT/IB 03/01165	International filing date (day/month/year) 31.03.2003	Priority date (day/month/year) 02.04.2002
International Patent Classification (IPC) or both national classification and IPC G09F15/00		
Applicant STEER, Gavin Milton		
<p>1. This International preliminary examination report has been prepared by this International Preliminary Examining Authority and is transmitted to the applicant according to Article 36.</p> <p>2. This REPORT consists of a total of 4 sheets, including this cover sheet.</p> <p><input checked="" type="checkbox"/> This report is also accompanied by ANNEXES, i.e. sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications made before this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions under the PCT).</p> <p>These annexes consist of a total of 20 sheets.</p>		
<p>3. This report contains indications relating to the following items:</p> <ul style="list-style-type: none"> I <input checked="" type="checkbox"/> Basis of the opinion II <input type="checkbox"/> Priority III <input checked="" type="checkbox"/> Non-establishment of opinion with regard to novelty, inventive step and industrial applicability IV <input type="checkbox"/> Lack of unity of invention V <input type="checkbox"/> Reasoned statement under Rule 66.2(a)(ii) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement VI <input type="checkbox"/> Certain documents cited VII <input type="checkbox"/> Certain defects in the international application VIII <input type="checkbox"/> Certain observations on the international application 		
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Name and mailing address of the International preliminary examining authority:  European Patent Office D-80288 Munich Tel. +49 89 2399 - 0 Tx: 523656 epmu d Fax: +49 89 2399 - 4465	Authorized Officer Whittington, J Telephone No. +49 89 2399-2781 	

**INTERNATIONAL PRELIMINARY
EXAMINATION REPORT**

International application No. **PCT/IB 03/01165**

I. Basis of the report

1. With regard to the **elements** of the international application (*Replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to this report since they do not contain amendments (Rules 70.16 and 70.17)*):

Description, Pages

1-12 received on 02.06.2004 with letter of 17.05.2004

Claims, Numbers

1-37 received on 02.06.2004 with letter of 17.05.2004

Drawings, Sheets

1/5-4/5 as originally filed

5/5 received on 02.06.2004 with letter of 17.05.2004

2. With regard to the **language**, all the elements marked above were available or furnished to this Authority in the language in which the international application was filed, unless otherwise indicated under this item.

These elements were available or furnished to this Authority in the following language: , which is:

- ☐ the language of a translation furnished for the purposes of the international search (under Rule 23.1(b)).
- ☐ the language of publication of the international application (under Rule 48.3(b)).
- ☐ the language of a translation furnished for the purposes of international preliminary examination (under Rule 55.2 and/or 55.3).

3. With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, the international preliminary examination was carried out on the basis of the sequence listing:

- ☐ contained in the international application in written form.
- ☐ filed together with the international application in computer readable form.
- ☐ furnished subsequently to this Authority in written form.
- ☐ furnished subsequently to this Authority in computer readable form.
- ☐ The statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.
- ☐ The statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished.

4. The amendments have resulted in the cancellation of:

- ☐ the description, pages:
- ☐ the claims, Nos.:
- ☐ the drawings, sheets:

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5. ☐ This report has been established as if (some of) the amendments had not been made, since they have been considered to go beyond the disclosure as filed (Rule 70.2(c)).

(Any replacement sheet containing such amendments must be referred to under item 1 and annexed to this report.)

6. Additional observations, if necessary:

III. Non-establishment of opinion with regard to novelty, inventive step and industrial applicability

1. The questions whether the claimed invention appears to be novel, to involve an inventive step (to be non-obvious), or to be industrially applicable have not been examined in respect of:

☐ the entire international application,

☒ claims Nos. 1-37

because:

☐ the said international application, or the said claims Nos. relate to the following subject matter which does not require an international preliminary examination (specify):

☒ the description, claims or drawings (*indicate particular elements below*) or said claims Nos. 1-37 are so unclear that no meaningful opinion could be formed (*specify*):

see separate sheet

☐ the claims, or said claims Nos. are so inadequately supported by the description that no meaningful opinion could be formed.

☐ no international search report has been established for the said claims Nos.

2. A meaningful international preliminary examination cannot be carried out due to the failure of the nucleotide and/or amino acid sequence listing to comply with the standard provided for in Annex C of the Administrative Instructions:

☐ the written form has not been furnished or does not comply with the Standard.

☐ the computer readable form has not been furnished or does not comply with the Standard.

**INTERNATIONAL PRELIMINARY
EXAMINATION REPORT - SEPARATE SHEET**

International application No. PCT/IB03/01165

Re Item III

Non-establishment of opinion with regard to novelty, inventive step and industrial applicability

1). The independent claims of this application define their respective characterising features as:

claim 1 - biasing means provided on the channel rails

- backing securable in channels
- screen securable against backing

claim 13 - tensioning means comprises at least one elongate flexible element

claim 16 - lower channel rail includes biasing means

- lower edge of screen releasably securable against backing

2). Although the claims 1, 13 and 16 have been drafted as separate independent apparatus claims, they appear to relate effectively to the same subject-matter, and therefore to differ from each other only with regard to the definition of the subject-matter for which protection is sought. The aforementioned claims therefore lack conciseness and clarity, since the plurality of independent claims makes it difficult to determine the matter for which protection is sought and places an undue burden on others seeking to establish the extent of the protection.

2.1). Hence, these claims do not meet the requirements of Article 6 PCT.

3). Although due to the deficiencies of the application mentioned above no definitive opinion as to the patentability of the claimed subject-matter can be given, the applicant is made aware of the fact that, at present, the only novel feature amongst those deemed to be "characterising" - as listed in point 1) above, is that of the "biasing means".

3.1). It is further pointed out, however, that this feature is also unclear in the context of claims 1 and 16, since the form and functional relationship of this biasing means is not clear with respect to the channel rail, backing and screen elements.

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DISPLAY FRAME

FIELD OF THE INVENTION

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The invention relates to a frame particularly for the display of a poster, print or the like.

BACKGROUND OF THE INVENTION

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Posters have numerous applications, one of which is advertising. The presentation of a poster is important and to this end, they are often framed. Framing also protects posters. However, framing is often cumbersome and especially so where posters are required to be changed regularly.

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The meaning of "poster" in this specification includes any sheet of display material.

OBJECT OF THE INVENTION

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It is the object of this invention to provide a display frame for posters that allows easy changing of the posters and includes other advantages that will become apparent from this specification.

SUMMARY OF THE INVENTION

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In accordance with this invention there is provided a display frame comprising a backing and a cooperating flexible screen, a pair of channeled rails with the upper and lower edges of the backing respectively securable in the channels of the

channeled rails and the upper edge of the screen secured at least adjacent to the upper edge of the backing, characterized in that the lower edge of the screen is releasably securable adjacent the backing in the channel of the lower rail with the screen located against the backing.

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Further features of the invention provide for the display frame to be configured to engage the upper end of a poster adjacent the upper edge of the screen; for the backing to be curved outwardly from its upper edge to its lower edge; and for the backing to be resiliently flexible and have tensioning means securable between the

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channeled rails whereby the backing may be flexed against its resilience.

Further features of the invention provide for poster engaging means to be provided adjacent the upper edge of the screen; for the poster engaging means to be biased against the backing; for the poster engaging means comprises at least one resiliently

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flexible clip; and for the screen to be located between the backing and at least a portion of the poster engaging clip.

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Further features of the invention provide for screen engaging means to be provided whereby the lower edge of the screen is securable adjacent the backing; and for the screen engaging means comprises at least one resiliently flexible clip securable on the lower channeled rail.

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Further features of the invention provide for retaining means to be provided on the channeled rails whereby the edges of the backing are secured in the channeled rails; for the retaining means comprises at least one strip of outwardly convex resilient sheet material securable within the channeled rails; for the retaining means to have outwardly extending flanges provided to extend into the channels of the rails and locatable in slots provided in the backing; and for the retaining means in the lower channeled rail is configured to engage the screen within the channeled rail.

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Further features of the invention provide for the tensioning means to comprises at least one flexible elongate element securable between the channeled rails; and for

the tensioning means to comprises a pair of flexible elongate elements securable to the channeled rails respectively and securable to each other.

Further features of the invention provide for the channeled rails to be provided with guide channels which are engageable with slides; for the guide channels of the channeled rails to be provided to generally face each other at the rear of the backing whereby the tensioning means is secured to the channeled rails by clips having slides or for the guide channels of the channeled rails to be provided at the outer edges of the channeled rails.

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A further feature of the invention provides for the display frame to be securable to another display frame by a clip having a pair of slides.

A further feature of the invention provides for an information display accessory to be securable to the display frame by way of at least one slide provided on the accessory or on a clip securable to the accessory.

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A further feature of the invention provides at least one of the channeled rails to have a pair of oppositely disposed ledges provided on its front side to receive a resiliently flexible panel.

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These and other features of the invention will become more apparent from the description that follows.

The words "upper" and "lower" are to be understood as meaning operatively upper, and lower with respect to the display frame.

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BRIEF DESCRIPTION OF THE DRAWINGS

One embodiment of a display frame according to the present invention will be described, by way of example, with reference to the drawings, in which:

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Figure 1 shows a front perspective view of a display frame;

Figure 2 shows a rear perspective view of the display frame shown in Figure 1;

Figure 3 shows a cross-sectional detail of the upper end of the display frame;

Figure 4 shows a cross-sectional detail of the lower end of the display frame;

Figure 5 shows an exploded view of Figure 1; and

Figure 6 shows an information display accessory secured to the lower channeled rail of a display frame.

DETAILED DESCRIPTION WITH REFERENCE TO THE DRAWINGS

Referring to Figures 1 to 6, a display frame (1) for a poster is shown. The display frame (1) has a pair of oppositely disposed upper and lower channeled rails (3), a resiliently flexible backing (4), a flexible transparent screen (5) and tensioning means (7).

The channeled rails (3), see Figures 3 and 4, have a front side (9) provided on a front flange (11) and a rear side (13) provided on a rear flange (15). The front (11) and rear (15) flanges have free edges, (17) and (18) respectively, and are joined by a web (19) to form a channel (21). A guide channel (22) extends along the free edge (18) of the rear flange (15). The front side (9) of the front flange (11) is inwardly stepped to provide a pair of oppositely disposed ledges (12). The ledges (12) are respectively spaced apart from the free edge (17) of the front flange (11) and the web (19).

Referring to Figures 3 to 5, a retaining means (23) is located in the channel (21). The inner side of the rear flange (15) is also provided with a pair of oppositely disposed

ledges (25), each spaced apart from the free edge (18) of the flange (15) and the web (19) respectively. The retaining means is a pair of outwardly convex strips (23) of resilient sheet material biased into shape between the ledges (25). Each strip (23) has an outwardly extending flange (24) provided to extend into the channels (21) of the rails (3). The flanges (24) are formed by cutting a slit spaced apart from and parallel to the longitudinal axes of the strips (23) with transverse slits cut at the ends of the longitudinal slit to extend across the axes. The flanges (24) extend outwardly when the strips (23) are bent about the axes to be biased into shape between the ledges (25). The strips (23) are located in the channels (21) so that the flanges (24) extend towards the webs (19) and engage in slots (26) provided in the backing (4).

The flanges (24) can also be formed by cutting an arched or curved slit in the strips (23) with the centre of the slit on one side of the longitudinal axes and the ends of the slit extending across the axes.

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Screen engaging means (27) are provided to be securable in the channel (21) of the lower channeled rail (3). The screen engaging means consists of a pair of flexibly resilient screen engaging clips (27) made from bent plates of suitable material, such as spring steel. Each screen engaging clip (27) has a base which extends from a first end of the clip (27). The clip (27) is bent at an acute angle at a point spaced apart from the first end to provide the base. The base is sized to be slidable between the ledges (25) but secured against withdrawal past the ledges (25). The clip (27) is cranked at a point spaced apart from the free end of the clip (27). The portion of the clip (27) between the crank and the free end is inclined towards the base to provide a screen engaging shoulder (28) which biases the screen (5) against the rear side of the front flange (11). The backing (4) is provided with a pair of openings (29) on either side of slots (26) through which the clips (27) extend to engage the screen (5) against the flange (11). Openings (not shown) may also be provided in the screen (5) for the shoulders (28) of the clips (27) to extend through and engage the inner side of the front flange (11).

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The screen (5) and backing (4) are substantially coextensive with parallel upper and lower edges. The screen (5) and the backing (4) are secured to each other adjacent

to their upper ends by a strip of double sided adhesive tape (35). This can also be done using plastic rivets or any other suitable means and can also be at a point spaced apart from the upper edge.

- 5 Poster engaging means (36) are provided in the form of a pair of resiliently flexible poster engaging clips (36). The poster engaging clips (36) are bent at one end. This end operatively locates in the slots (26) for the flanges (24) of the retaining strips (23) adjacent the upper edge of the backing (4), respectively. This arrangement secures the clips (36) in relation to the backing (4). The other ends of the poster engaging
- 10 clips (36) are stepped to extend through slots (34) provided in the screen (5). The poster engaging clips (36) are curved to be flexed between the backing (4) and the screen (9) against the inner surface and free edge (17) of the front flange (11). The stepped ends of the poster engaging clips (36) bias the poster against the backing (4). The screen (5) is thus located between the portion of the clips (36) between the
- 15 step and the free end and the backing (4). It will be appreciated that the poster will be released by the clips (36) when the screen (5) is lifted away from the backing (4) to a sufficient degree. The poster engaging clips (36) are made from strips of spring steel, however they may also be made from any other suitable material. Where they are made from plastics material, for example, the clips (36) can be conveniently moulded
- 20 to shape.

The clips (36) may also have their own locating slots (not shown) to which they have a tight fit instead of using the slots (26) for the flanges (24). The portion of the clips (36) that engages the poster (49) will favourably be provided with some gripping

25 formation to facilitate frictional engagement. An outwardly extending formation to apply pressure onto the poster (49) is one example. Such a formation could simply be press formed into that portion of the clip (36).

The tensioning means (7), see Figure 5, is made up of a first (37) and a second (39)

30 flexible elongate element. The first element (37) is secured at one end to a clip (41) and at the other end to a hook (43). The clip (41) has an aperture (42). The second element (39) has each end secured to one of a pair of clips (45). The clips (41) and (45) are provided with slides (47) at their free ends. The slides (47) have an axially

sliding and transversely locking fit into the guide channels (22) of the rear flanges (15). Enlargements (not shown) provided at the outer ends of the slides (47) locate the clips (45) at the outer ends of the rear flange (15). The slide (47) of the clip (41) however has no such enlargement and can slide to a central position on the rear flange (15). The first element (37) and the second element (39) are respectively
5 secured to the rear flanges (15) of the upper and the lower channeled rails (3) as described above. The elements (37) and (39) are of such a length that they can only be connected to each other with the backing (4) of an assembled display frame (1) flexed to curve outwardly.

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The backing (4) is made from sheets of extruded plastics material. In this embodiment of the invention, the sheet material is extruded to have parallel air cores with each core sharing a common wall with an adjacent core. The material is cut so that the cores extend from the upper edge to the lower edge of the backing (4). The
15 screen (5) is made from thin sheets of extruded plastics material. The channeled rails (3) are made from lengths of aluminium extruded in the required form. They could also be made from other materials, such as suitably hard plastics. The elongate elements (37) and (39) can be made from plastics material, wire or string. Any other suitable material may also be used.

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The front side of the backing (4) may be provided with at least one support flange (not shown). This can conveniently be made of a strip of sheet material that is secured to the backing (4) spaced apart from the lower edge. An upper portion of the strip is free from the backing (4) and the lower edge of a poster (49) can be tucked
25 behind this portion. It will be appreciated that this will locate the poster in the frame and prevent its lower edge from sliding past the flange.

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The display frame (1) is assembled by holding the retaining strips (23), screen engaging clips (27) and poster engaging clips (36) in position relative to the slots (26) and (29) of the backing (4) and the slots (34) in the screen (5). The channeled rails (3) are then slid over the upper and lower edges of the backing (4) and screen (5) securing the retaining means (23), screen engaging means (27) and poster engaging means (36) in position.

The lower edge of the screen (5) can then be parted from that of the backing (4). This is done by sliding the screen (5) out of engagement with the shoulders (28) of the screen engaging clips (27) and lifting the screen (5) from the backing (4). A poster (49) is placed between them. Once the portion of the screen (5) with the slots (34) through which the stepped ends of the poster engaging clips (36) extend is lowered over the poster (49) a friction fit is exerted on the poster (49), securing it in position.

The two channeled rails (3) are then moved towards each other to flex the backing (4) against its resilience. This causes the backing (4) to be curved outwardly. The elements (37) and (39) are then connected to each other by placing the second element (39) through the hook (43) of the first element (37). The resilience of the bent backing (4) tensions the elements (37) and (39) which in turn resist the resilience. This pulls the channeled rails (3) onto the respective edges of the backing (4) holding the assembled components of the display frame (1) together in a bow configuration.

The display frame (1) can then be suspended in any convenient manner, one of which would be to hang it on a nail using the aperture (42) provided in the clip (41).

Where a large display frame (1) is to be used, a pair of eyes (50) are secured to the lower region of the backing (4). The second element (39) is threaded through the eyes (50) as shown in Figure 2 to prevent sagging of the backing (4) and maintain a more desirable generally uniform curved shape.

The pair of opposed ledges (12) on the front side (9) of the front flange (11) are suited to receive resiliently flexible panels (70) in the form of information cards (71) and screens for displaying prices (73). The information cards (71) consist of a strip of resilient material with desired information or graphics depicted thereon. The card (71) is secured between the ledges (12) under the bias of its resilience. The screens for displaying prices (73) are made of a resilient transparent strip of plastics material that is similarly secured between the ledges (12) but with price cards (75) secured and on display under the screens (73).

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It is also possible to change a poster (49) without disassembling the frame (1) or even removing it from a position where it is hanging. This is done by sliding the lower end of the screen (5) out of the lower support member (3) while the backing (4) is retained in position. The screen (5) is then lifted to allow access to the poster (49) that is to be removed. A new poster (49) is positioned on the backing (4) with the upper end of the poster (49) positioned between the backing (4) and the poster engaging clips (36) which, once the portion of the screen (5) with the slots (34) is back in position, prevent the poster (49) from sliding down. This allows a person to use both hands to tuck the lower edge of the screen (5) back into the lower support member (3) to be engaged by the shoulders (28) of the screen engaging clips (27).

It will be appreciated that the retaining means (23) can be provided to bias the backing (4) and the screen (5) against the rear side of the front flange (11). The retaining strips (23) need not have flanges (24) and the backing (4) may be provided without slots (26). In this embodiment the retaining means (23) will also function as a screen engaging means (27) by biasing the backing (4) to frictionally engage the screen (5) against rear side of the front flange (11). In another embodiment where the retaining strips (23) do have flanges (24) and the backing (4) does have slots (26), the flanges (24) may be provided to frictionally engage the screen (5) against rear side of the front flange (11) of the rail (3).

As another form of poster engaging means (36), the backing (4) may be provided with a friction affording portion which faces the screen (5) spaced apart on the backing (4) from its upper edge. This friction affording portion may conveniently be a strip of sand paper which engages the poster (49) when the screen (5) lies against the outwardly curved backing (4).

Extending along the web (19) of each channeled rail (3) is a lipped guide channel (52). Referring to Figure 6, the channel (52) co-operates with a slide (54), such as the ones (47) of clips (45). In this way an display accessory (56) to the display frame (1) having a guide channel (58) at its upper edged can be suspended below the

frame (1) using clips (60) provided with a pair of outwardly oppositely facing slides (54).

The display accessory (56) is shown having a screen (61) and a support (62). The support (62) is rigid and has an upper and a lower edge. A pair of opposed outer flanges (63) extend forwardly, one from each of the edges of the support (62). Inwardly extending lips (64) are provided at the edges of the flanges (63). The screen (61) is resiliently flexible and forwardly convex. Its upper and lower edges are parallel. The distance between the upper and lower edges of the screen (61) is slightly greater than the distance between the flanges (63) of the support (62). The screen (61) is thus sized to have a clip fit to the support (62), under the bias of its resilience against the opposed outer flanges (63). Any suitably sized information card (60) depicting desired information and/or images can be located behind the screen (61) for display.

In this embodiment, the display accessory (56) is also used to indicate the prices of articles. A slide (64) provided along the lower edge of the support (62) cooperates with a guide channel (65) at the upper edge of a second support (66). The second support (66) also provides a pair of opposed lipped flanges (67) which are suited to receive resiliently flexible panels (70) as described with reference to Figure 5.

It will be appreciated that the display accessory (56) may take any of a number of different forms. The display accessory (56) allows for additional information to be displayed along with the poster (49) in the display frame (1).

It will be also appreciated that the sequence of guide channels and slides as provided on interconnectable components described above can be varied. In other words, the slides can be provided on the channeled rails (3) with the guide channels on the clips or other accessories. The guide channels are however preferably made from material that is sufficiently rigid to prevent the guide channels from opening.

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Furthermore, the channel (52) provided at the upper edge of the upper channeled rail (3) can be used with the clips (41) and (45), which have sliding rails, to provide alternative ways of suspending the display frame (1).

5 The display frame (1) may also have a rigid backing (4). This can be curved or planar. One advantage, however, with the resiliently flexible backing (4) as described above is that tensioning means (7) of an assembled display frame (1) can be disengaged to allow for storage or transport with the backing (4) flat. For this purpose, a spacer can be secured between the first (37) and second (39) elongate
10 members of the tensioning means (7) to hold them in position relative to each other and taut but without bending the backing (4). The spacer can be a length of cord that extends from the hook (43) of the first element (37) and has a similar hook secured at its free end for engaging the second element (39) or simply an elastic band securable between the two elements (37, 39).

15 It will also be appreciated that a single component can be provided to serve as both retaining means (23) and screen engaging means (27) and that this component may also secure the upper edge of the screen (5) adjacent that of the backing (4).

20 A person skilled in the art will appreciate that there are a number of variations that may be made to the described embodiments to provide alternative embodiments that will fall within the scope of the present invention.

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CLAIMS

1. A display frame (1) comprising a backing (4) and a cooperating flexible screen (5), a pair of channeled rails (3) with the upper and lower edges of the backing (4) respectively securable in the channels (21) of the channeled rails (3) and the upper edge of the screen (5) secured at least adjacent to the upper edge of the backing (4), characterized in that the lower edge of the screen (5) is releasably securable adjacent the backing (4) in the channel (21) of the lower channeled rail (3) with the screen (5) located against the backing (4).
2. A display frame (1) as claimed in claim 1, characterized in that it is configured to engage the upper end of a poster (49) adjacent the upper edge of the screen (5).
3. A display frame (1) as claimed in any one of the preceding claims, characterized in that the backing (4) is curved outwardly from its upper edge to its lower edge.
4. A display frame (1) as claimed in claim 3, characterized in that the backing (4) is resiliently flexible and has tensioning means (7) securable between the channeled rails (3) whereby the backing (4) may be flexed against its resilience.
5. A display frame (1) as claimed in any one of the preceding claims, characterized in that poster engaging means (36) is provided adjacent the upper edge of the screen (5).
6. A display frame (1) as claimed in claim 5, characterized in that poster engaging means (36) is biased against the backing (4).
7. A display frame (1) as claimed in claim 6, characterized in that the poster engaging means comprises at least one resiliently flexible clip (36).

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8. A display frame (1) as claimed in claim 7, wherein the screen (5) is located between the backing (4) and at least a portion of the poster engaging clip (36).

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9. A display frame (1) as claimed in any one of the preceding claims, characterized in that screen engaging means (27) is provided whereby the lower edge of the screen (5) is securable adjacent the backing (4).

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10. A display frame (1) as claimed in claim 9, wherein the screen engaging means comprises at least one resiliently flexible clip (27) securable in the lower channeled rail (3).

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11. A display frame (1) as claimed in any one of the preceding claims, characterized in that retaining means (23) are provided on the channeled rails (3) whereby the edges of the backing (4) are secured in the channeled rails (23).

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12. A display frame (1) as claimed in claim 11, characterized in that each retaining means comprises at least one strip (23) of outwardly convex resilient sheet material securable within the channeled rails (3).

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13. A display frame (1) as claimed in claim 11 or claim 12, characterized in that the retaining means (23) have outwardly extending flanges (24) provided to extend into the channels (21) of the rails (3) and locatable in slots (26) provided in the backing (4).

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14. A display frame (1) as claimed in any one of claims 11 to 13, characterized in that the retaining means (23) in the lower channeled rail (3) is configured to engage the screen (5) within the channeled rail (3).

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15. A display frame (1) as claimed in any one of claims 4 to 14, characterized in that the tensioning means (7) comprises at least one flexible elongate element securable between the channeled rails (3).
- 5 16. A display frame (1) as claimed in claim 15, characterized in that the tensioning means (7) comprises a pair of flexible elongate elements (37, 39) securable to the channeled rails (3) respectively and securable to each other.
- 10 17. A display frame (1) as claimed in any one of the preceding claims, characterized in that the channeled rails (3) are provided with guide channels (22, 52) which are engageable with slides (47, 54).
- 15 18. A display frame (1) as claimed in claim 17, characterized in that the guide channels (22, 52) of the channeled rails (3) are provided to generally face each other at the rear of the backing (4) whereby the tensioning means (7) is secured to the channeled rails (3) by clips (41, 45) having slides (47).
- 20 19. A display frame (1) as claimed in claim 17, characterized in that the guide channels (41, 45) of the channeled rails (3) are provided at the outer edges of the channeled rails (3).
- 25 20. A display frame (1) as claimed in claim 19, which is securable to another display frame (1) by a clip (60) having a pair of slides (54).
- 30 21. A display frame (1) as claimed in claim 19 or claim 20, characterized in that a display accessory (56) is securable to it by way of at least one slide (54) provided on the accessory (56) or on a clip (60) securable to the accessory (56).
22. A display frame (1) as claimed in any one of the preceding claims, characterized in that at least one of the channeled rails (3) has a pair of

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oppositely disposed ledges (12) provided on its front side to receive a resiliently flexible panel (70).

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ABSTRACT

The invention provides a display frame comprising a backing and a cooperating flexible screen that are securable between a pair of channeled rails provided at the upper and lower edges of the backing. The lower edge of the screen is releasably securable in the channel of the lower rail to enable a poster to be easily inserted and replaced by another poster while the display frame is assembled. The backing is preferably flexibly resilient and curved outwardly from its upper to its lower edge by tensioning means secured between the channeled rails. The channeled rails will preferably include biasing means to secure the backing within the channels of the rails and the flexible screen and/or a poster against the backing. Where the backing is resiliently flexible, the tensioning means will preferably be at least one flexible-elongate element which is releasably securable between the channeled rails.

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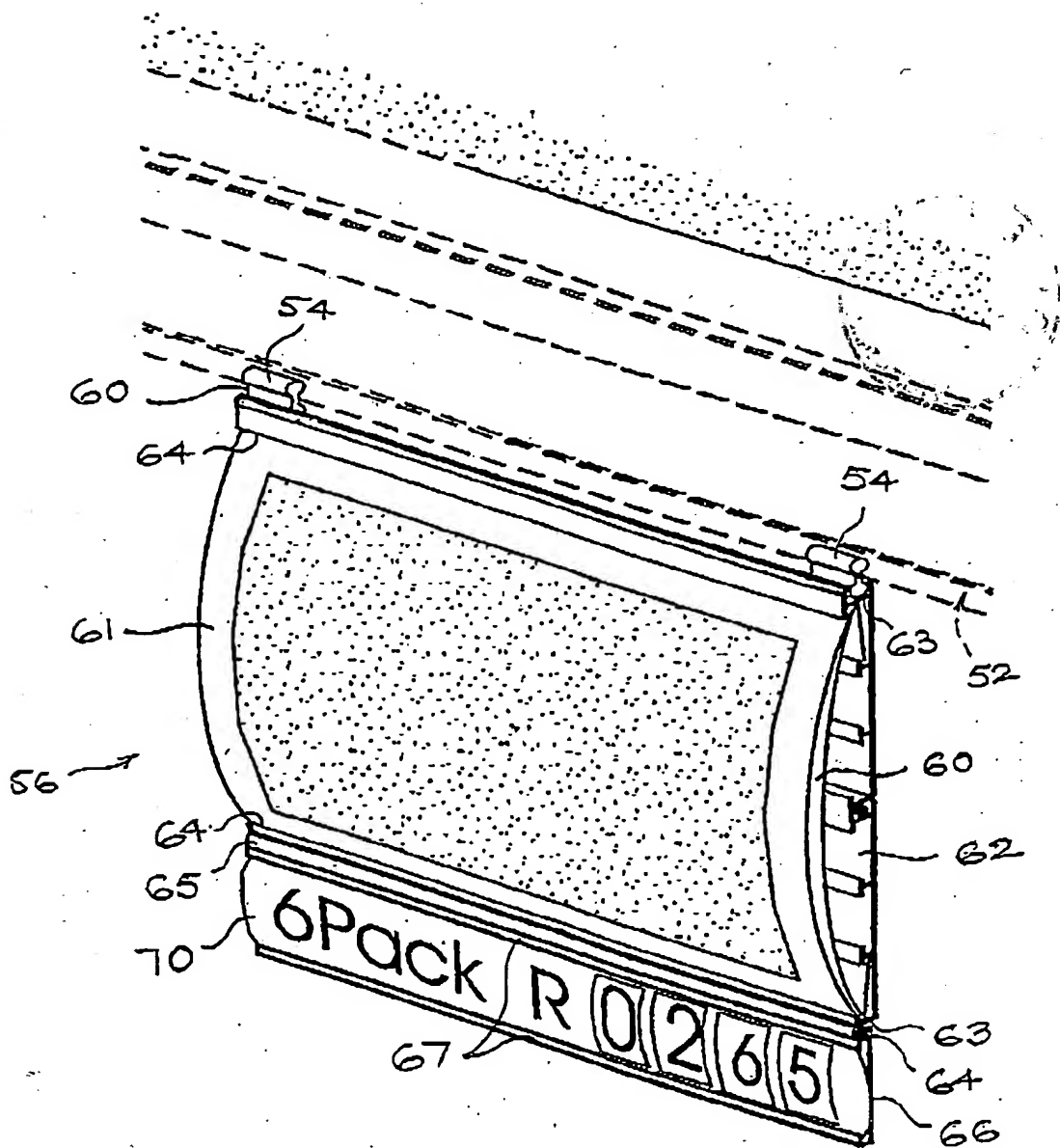
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FIG 6



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